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EUROPEAN PATENT APPLICATION

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- (54) Multiple mesodermal lineage differentiation potentials for adipose tissue-derived stromal cells and uses thereof

(57) The invention relates to methods and compositions for the differentiation of stromal cells from adipose tissue into hematopoietic supporting stromal cells and myocytes of both the skeletal and smooth muscle type. The cells produced by the methods are useful in

providing a source of fully differentiated and functional cells for research, transplantation and development of tissue engineering products for the treatment of human diseases and traumatic tissue injury repair.



EUROPEAN SEARCH REPORT

Application Number EP 00 30 7153

Category	Citation of document with in	Relevant	CLASSIFICATION OF THE	
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	The present search report has	been drawn up for all claims	-	
	Place of search	Date of completion of the search		Examiner
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X : par Y : par doc A : tecl O : nor	CATEGORY OF CITED DOCUMENTS ricularly relevant if taken alone floularly relevant if combined with and ument of the same category hnological background —witten disclosure ermediate document	E : eartier patent doc after the filing dat	curnent. but publice in the application or other reasons	Ished on, or

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Application Number

EP 00 30 7153

CLAIMS INCURRING FEES						
The present European patent application comprised at the time of filing more than ten claims.						
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):						
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.						
LACK OF UNITY OF INVENTION						
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:						
see sheet B						
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.						
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.						
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:						
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:						



EUROPEAN SEARCH REPORT

Application Number EP 00 30 7153

		ERED TO BE RELEVANT dication, where appropriate,	Relevant	CLASSIFICATION	ON OF THE
Category	of relevant passa		to claim	APPLICATION	
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X : part Y : part doct A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anotherent of the same category inclogical background —written disclosure rmediate document	T: theory or princip E: earlier patent de after the filling de D: document d'ted L: document cited	ole underlying the in ocument, but publis ate in the application for other reasons	wention hed on, or	

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LACK OF UNITY OF INVENTION SHEET B

Application Number EP 00 30 7153

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-21, 44-61, 79

Medium and method for differentiating adipose stromal cells into haematopoietic supporting cells. Haematopoietic cells obtained by culture on said supporting cells.

2. Claims: 22-43, 62-78

Medium and method for differentiating adipose stromal cells into skeletal muscle myocytes or smooth muscle myoblasts.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 00 30 7153

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-12-2001

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For more details about this annex :see Official Journal of the European Patent Office, No. 12/82

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